

10

11

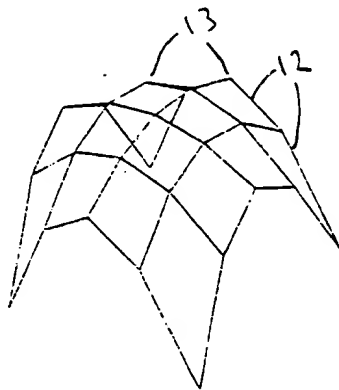


FIG. 1A
(Prior Art)

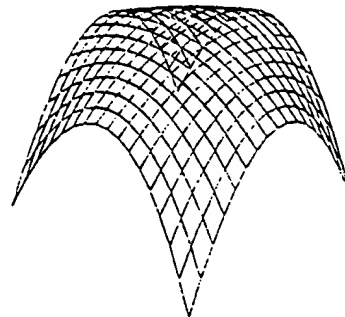


FIG. 1B
(Prior Art)

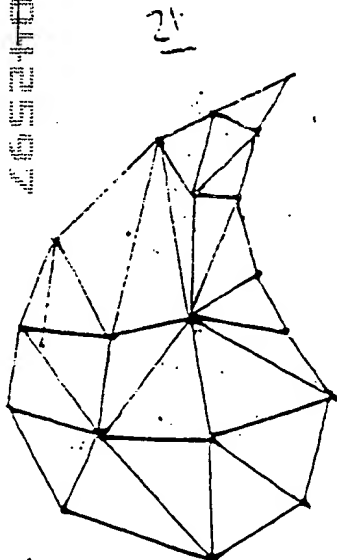


FIG. 2A
(Prior Art)

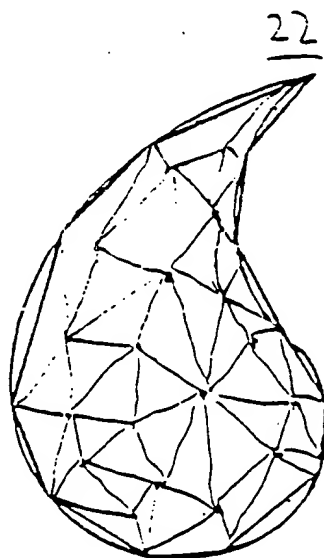


FIG. 2B
(Prior Art)

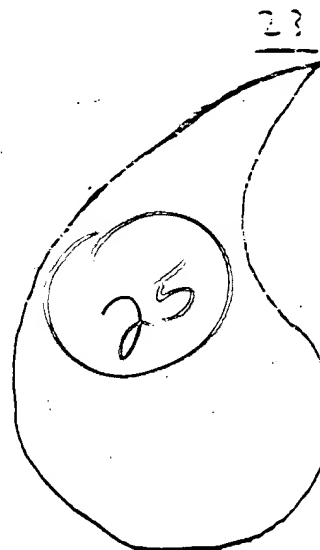


FIG. 2C
(Prior Art)

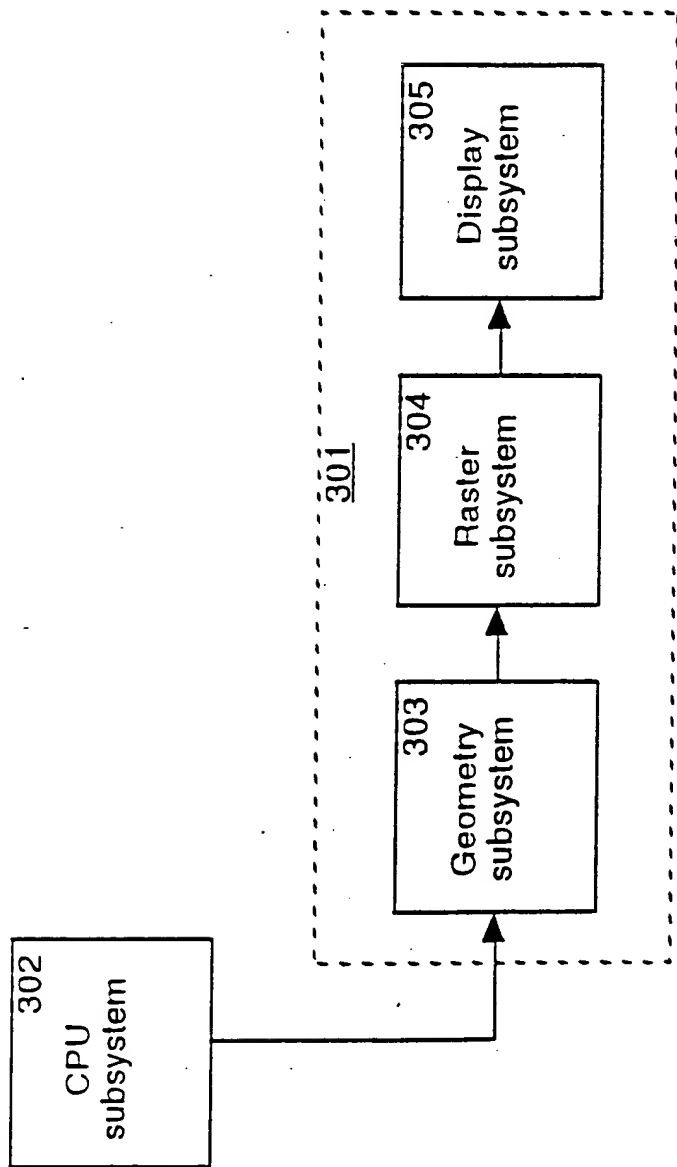


FIG. 3

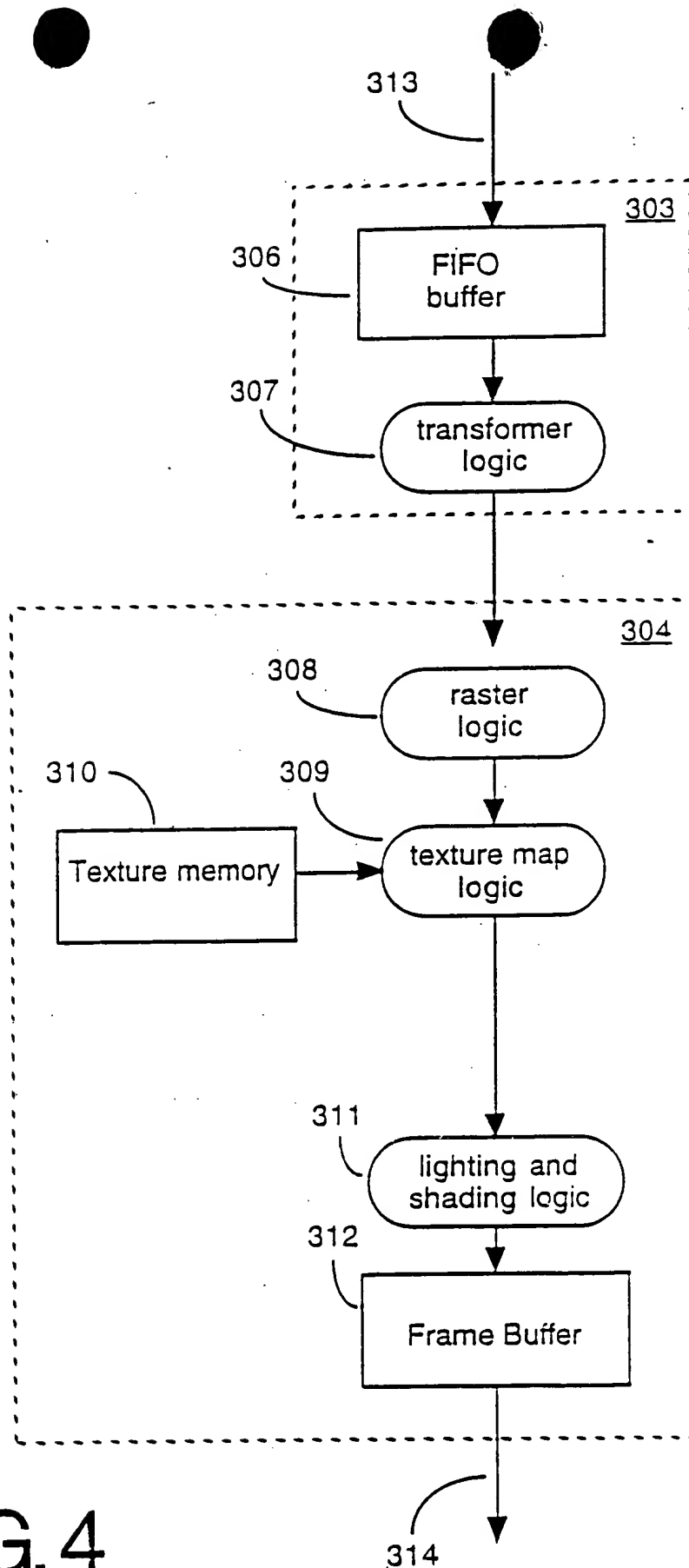


FIG. 4

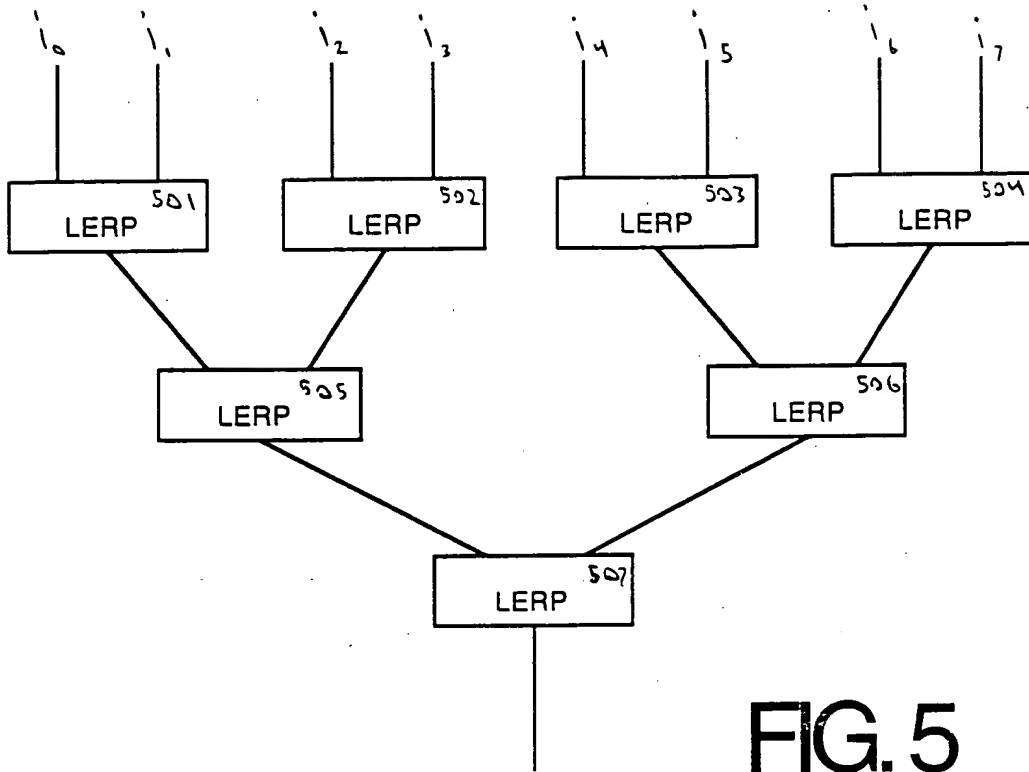


FIG. 5

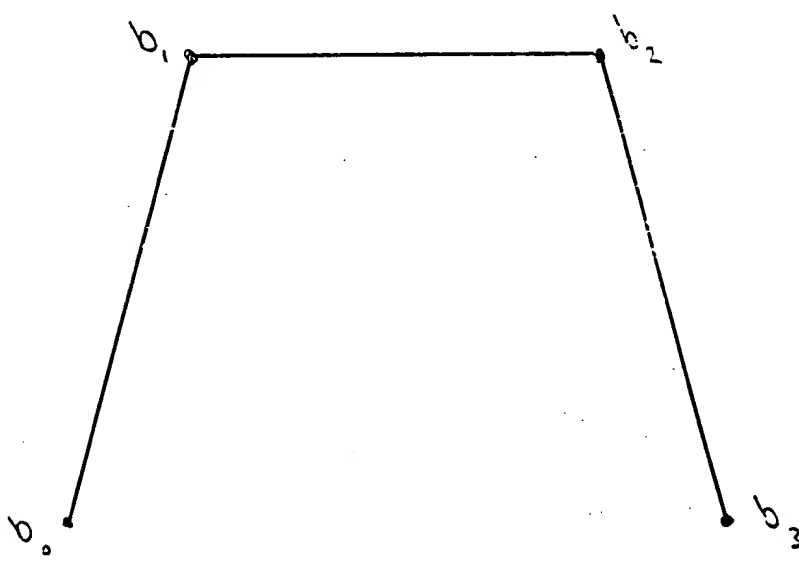


FIG. 6

2025-04-09 16:52:40

2025-04-25 10:24:00

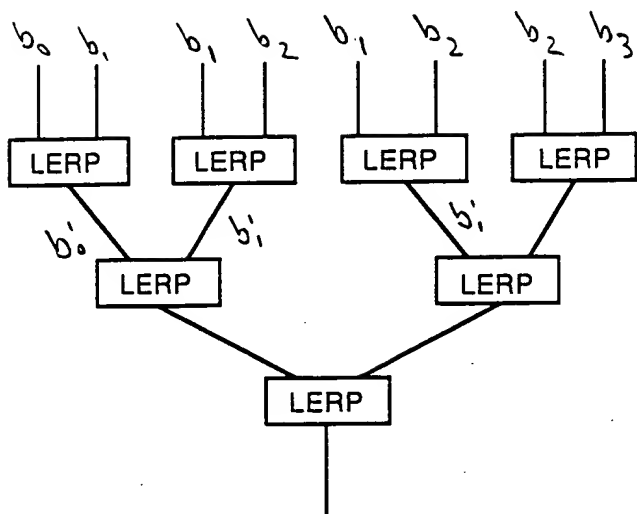


FIG. 7A

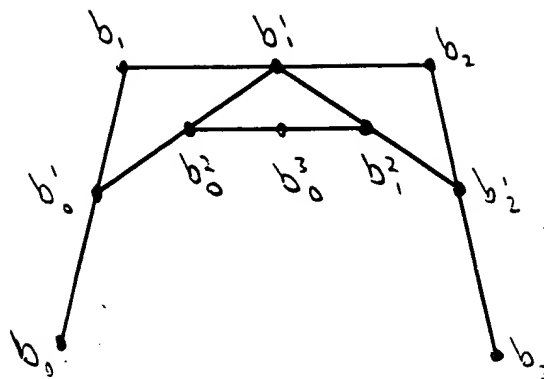


FIG. 7B

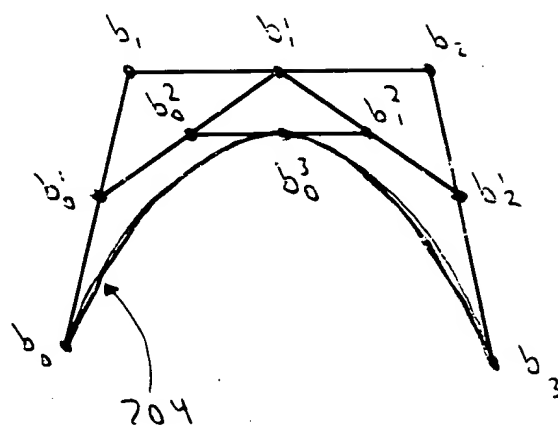


FIG. 7C

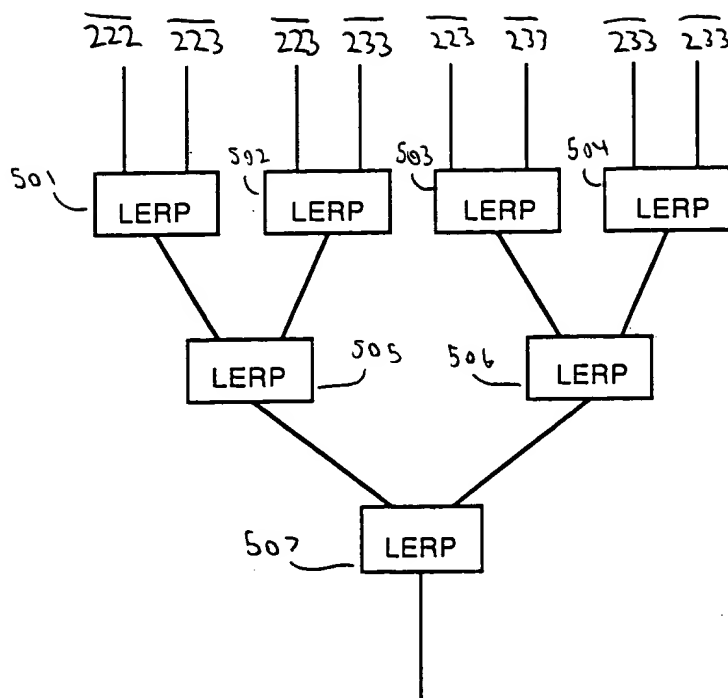


FIG. 8A

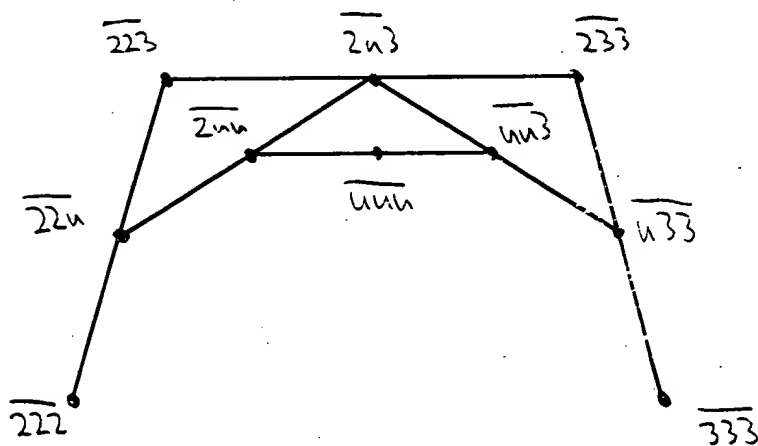


FIG. 8B

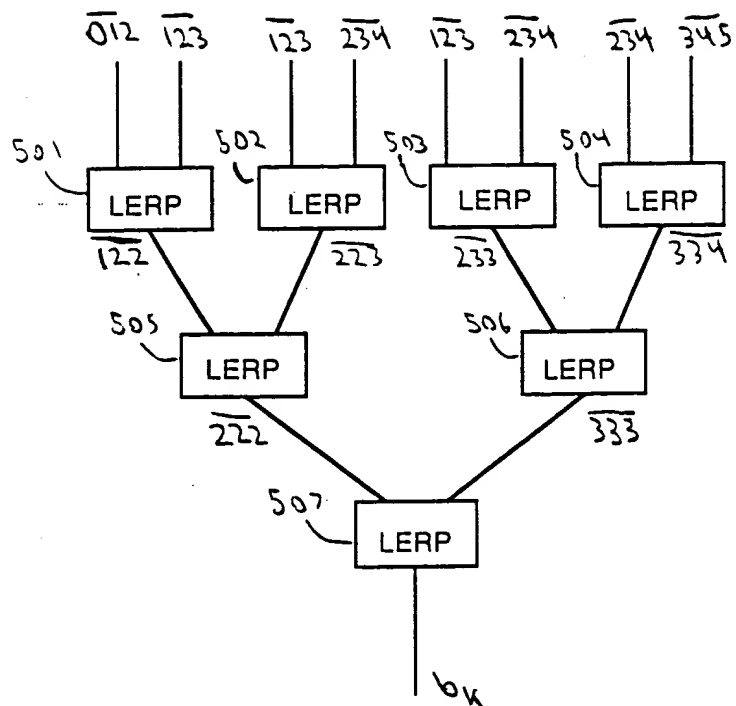


FIG. 9A

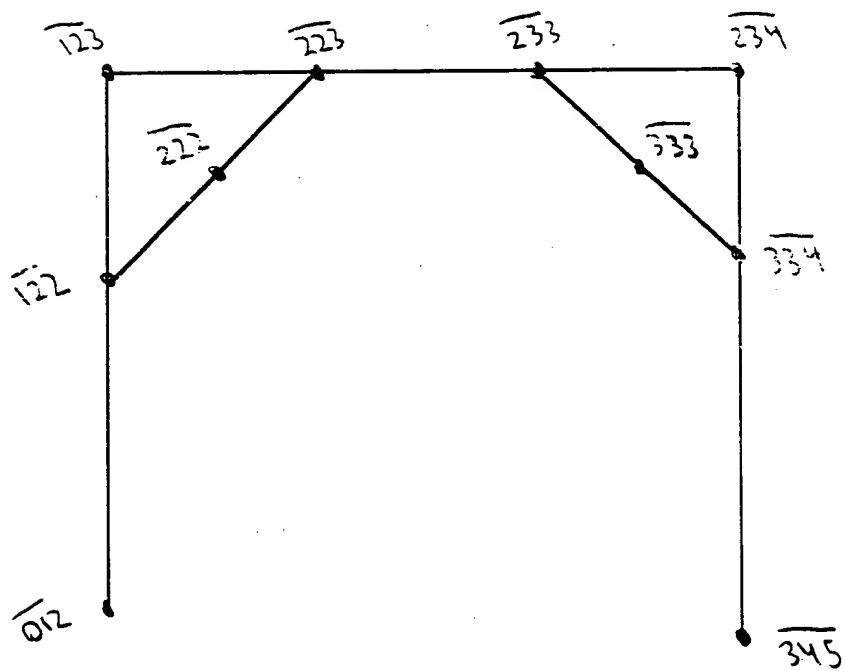


FIG. 9B

Table 1

Bezier control points

	$\overline{222}$	$\overline{223}$	$\overline{233}$	$\overline{333}$
Interpolators 501 and 503	$\frac{\hat{2} - \hat{0}}{\hat{3} - \hat{0}}$	X	$\frac{\hat{3} - \hat{1}}{\hat{4} - \hat{1}}$	$\frac{\hat{3} - \hat{1}}{\hat{4} - \hat{1}}$
Interpolators 502 and 504	$\frac{\hat{2} - \hat{1}}{\hat{4} - \hat{1}}$	$\frac{\hat{2} - \hat{1}}{\hat{4} - \hat{1}}$	X	$\frac{\hat{3} - \hat{2}}{\hat{5} - \hat{2}}$
Interpolators 505 and 506	$\frac{\hat{2} - \hat{1}}{\hat{3} - \hat{1}}$	1	0	$\frac{\hat{3} - \hat{2}}{\hat{4} - \hat{2}}$
Interpolator 507	0	0	1	1

X = Don't care

FIG. 10

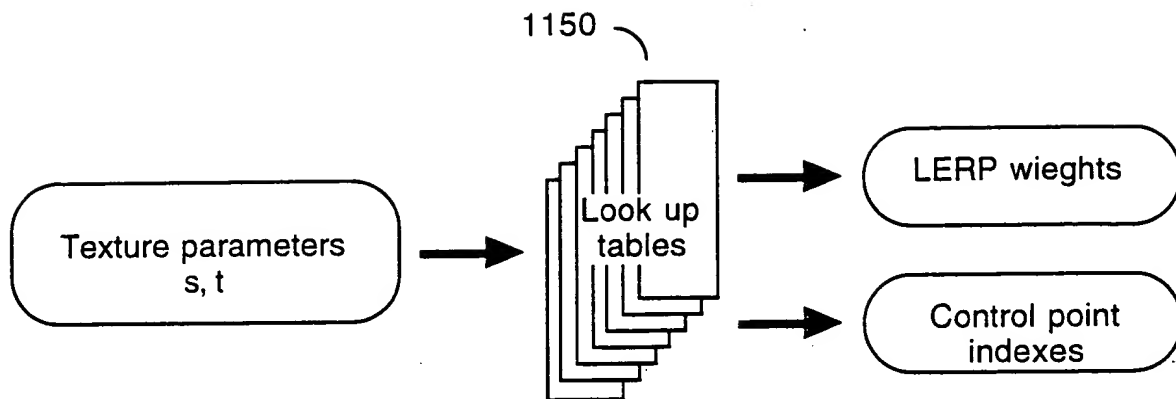


FIG. 11A

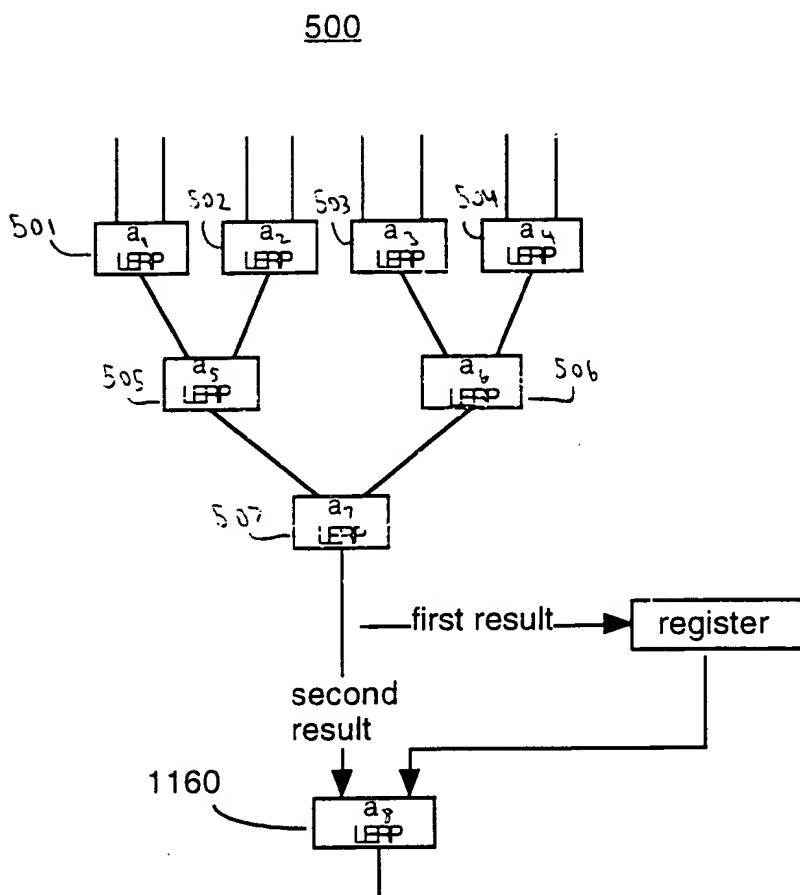


FIG. 11B

1200

1202

Global to Local

1203

Points on
the
surface

1204

u-partials

1205

v-partials

1206

u-tangents

1207

v-tangents

1208

normals

FIG. 12A

1201

1209

Points on
the
surface

1210

u-partials

1211

v-partial normals

FIG. 12B

20254540" 92554980

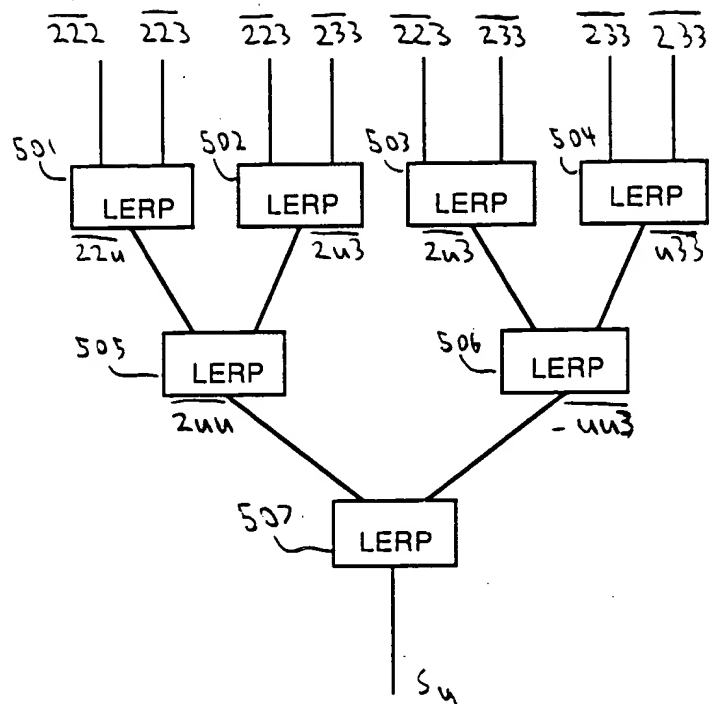


FIG. 13A

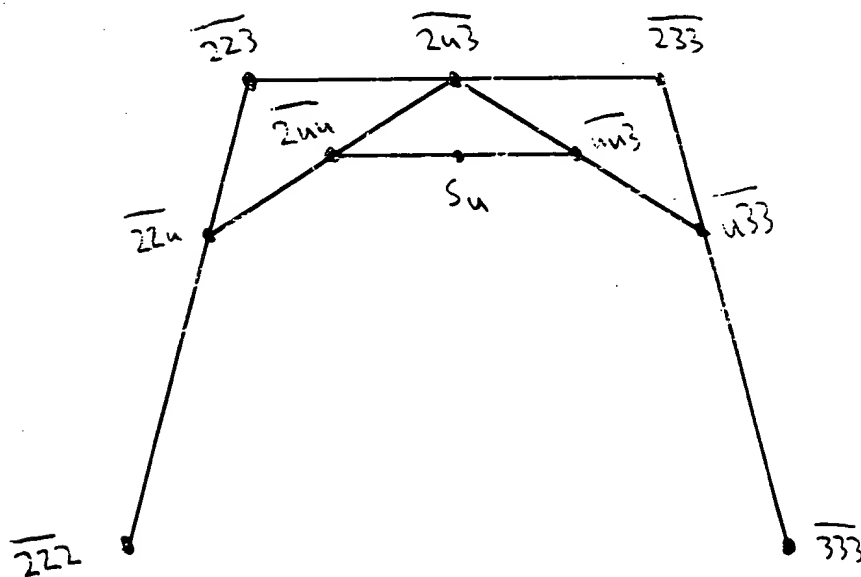


FIG. 13B

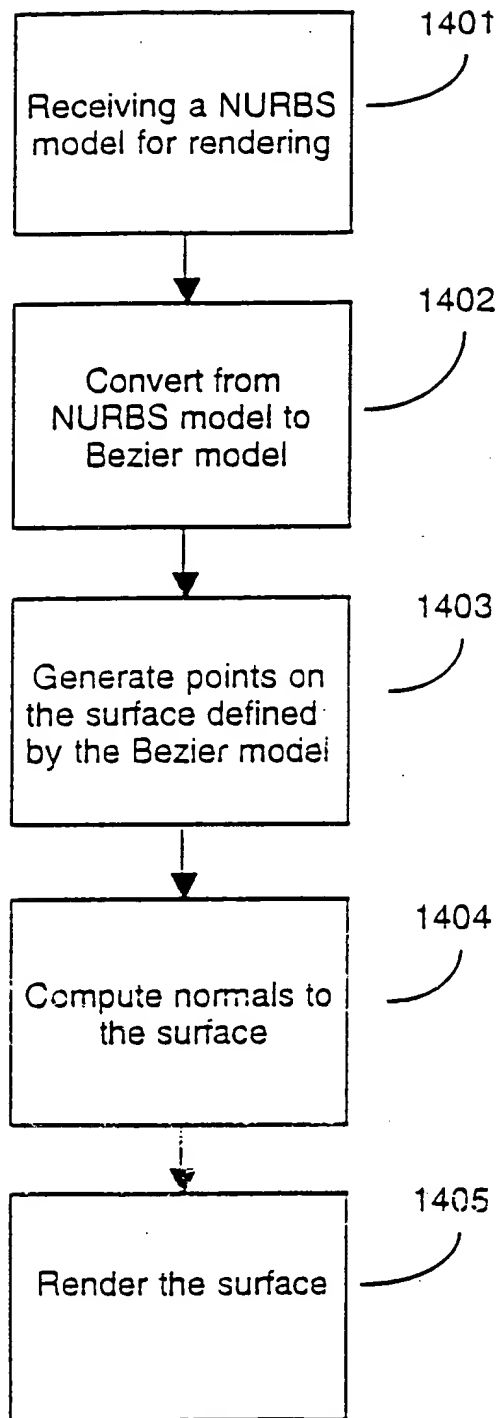


FIG. 14

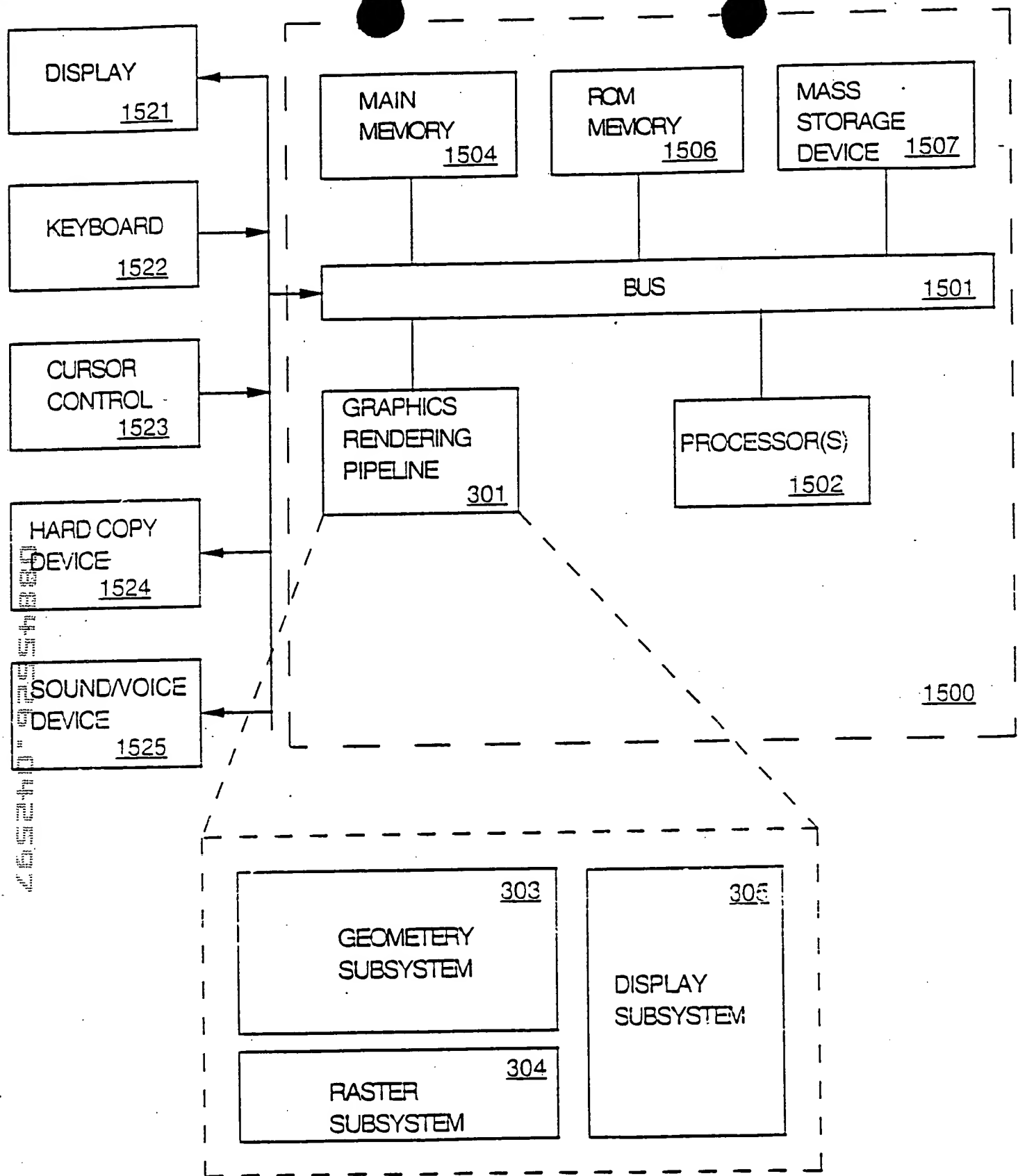


FIG. 15

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